

# OHIO FARM REPORT



Volume No. 03 Issue No. 21  
Released: November 15, 2004

Ohio Agricultural Statistics Service  
P.O. Box 686  
Reynoldsburg, Ohio 43068-0686  
(614) 728-2100  
FAX(614)728-2206  
*James Ramey, Director*

**FEATURING:**    ☐ Crop Production    ☐ Supply/Demand    ☐ Ag Prices    ☐ Plant Population

## OHIO CORN AND SOYBEAN YIELDS EXPECTED TO SET RECORDS IN 2004

According to the November 1, 2004 Weekly Crop Progress Summary for Ohio, corn harvested for grain was 61 percent complete. This is 13 percentage points ahead of 2003. Soybeans were 80 percent harvested, 10 percentage points behind last year and 9 percentage points behind the 1999-03 average.

Based on a November 1 yield survey conducted by the Ohio Agricultural Statistics Service, Ohio's average **corn** yield is estimated at 160 bushels per acre, unchanged from the previous month and four bushels higher than the 2003 average State yield. If realized, this will be a new State record. Total production is forecast at 496 million bushels, from an expected 3.10 million harvested acres.

The average State **soybean** yield is estimated at 47 bushels per acre, up one bushel from the October forecast and 8.5 bushels above the 2003 average State yield. If realized, this yield will also be a new State record. Total State production is forecast at 207.7 million bushels, 26 percent more than was produced in 2003. Producers expect to harvest 4.42 million acres.

**Sugarbeet** yields for Ohio are forecast at 21.5 tons per acre, 2.7 tons below the 2003 State yield. Total production is forecast at 34,000 tons, compared to 46,000 tons produced the previous year. Growers expect to harvest 1,600 acres in 2004, 300 less than in 2003. Ohio **potato** yields are estimated at 300 cwt. per acre, up 45 cwt. per acre from the 2003 average yield. If realized, this yield will result in total production of 1.08 million cwt., from 3,600 harvested acres.

## U.S. Corn and Soybean Production Up 1 Percent from October Forecast

**U.S. corn** production is forecast at 11.7 billion bushels, up 1 percent from last month and 16 percent above 2003. Based on conditions as of November 1, the yield is expected to average 160.2 bushels per acre, up 1.8 bushels from October and 18.0 bushels above last year. If realized, both production and yield would be the largest on record. The previous records for both were set last year when production was estimated at 10.1 billion bushels and yield was 142.2 bushels per acre. Across the U.S., yields are forecast at record high levels in 19 of the 33 published corn States. With the exception of Wisconsin, yields in the Corn Belt States are forecast at record highs as weather conditions have been mostly favorable throughout the growing season.

**U.S. soybean** production is forecast at 3.15 billion bushels, up 1 percent from October and 28 percent above 2003. If realized, this would be the largest U.S. soybean crop on record. Based on November 1 conditions, yields are expected to average a record high 42.6 bushels per acre, up 0.6 bushel from October and 8.7 bushels above last year. Producers in the Corn Belt, Michigan, Pennsylvania, Maryland, and the Carolinas are realizing higher yields than expected last month, while yield prospects decreased as harvest progressed in North Dakota and Minnesota. Area for harvest in the U.S. is forecast at 74.0 million acres, unchanged from last month but up 2 percent from 2003.

## OHIO AND UNITED STATES, NOVEMBER 1, 2004, WITH COMPARISONS

Crop	Harvested Acres		Unit	Yield Per Acre		Production	
	2003	2004		2003	2004	2003	2004
	Thousands					Thousands	
	OHIO						
Corn for Grain	3,070	3,100	Bu.	156.0	160.0	478,920	496,000
Soybeans for Beans	4,280	4,420	Bu.	38.5	47.0	164,780	207,740
Wheat, All	1,000	890	Bu.	68.0	62.0	68,000	55,180
Oats	60	50	Bu.	66.0	63.0	3,960	3,150
Alfalfa Hay	580	500	Ton	3.40	3.40	1,972	1,700
Other Hay	770	720	Ton	2.60	2.70	2,002	1,944
Sugarbeets	1.9	1.6	Ton	24.2	21.5	46	34
Tobacco, All	5.3	5.8	Lb.	1,650	1,900	8,745	11,020
Potatoes	4.3	3.6	Cwt	255	300	1,097	1,080
	UNITED STATES						
Corn for Grain	71,139	73,311	Bu.	142.2	160.2	10,113,887	11,740,920
Soybeans for Beans	72,476	73,990	Bu.	33.9	42.6	2,453,665	3,150,441
Wheat, All	53,063	50,204	Bu.	44.2	43.1	2,344,760	2,163,520
Oats	2,220	1,807	Bu.	65.0	64.5	144,383	116,505
Alfalfa Hay	23,578	22,226	Ton	3.24	3.48	76,307	77,371
Other Hay	39,764	39,363	Ton	2.03	2.25	80,816	88,549
Sugarbeets	1,347.9	1,326	Ton	22.7	22.4	30,583	29,765
Tobacco, All	411.2	409.6	Lb.	1,952	2,156	802,654	883,168
Potatoes	1,248.6	1,169.8	Cwt	367	385	457,814	450,168

**NOVEMBER U.S. SUPPLY AND DEMAND 1/**

	Corn		Wheat		Soybeans	
	2003/2004	2004/05	2003/04	2004/05	2003/04	2004/05
Million Bushels						
Beginning Stocks	1,087	958	491	547	178	112
Production	10,114	11,741	2,345	2,158	2,454	3,150
Imports	14	15	72	65	6	6
Total Supply	11,215	12,714	2,909	2,770	2,638	3,269
Domestic Use	8,360	8,845	1,202	1,227	1,640	1,798
Exports	1,897	2,050	1,159	975	885	1,010
Total Use	10,257	10,895	2,362	2,202	2,525	2,808
Ending Stocks	958	1,819	547	568	112	460
Average Price (\$/bu.)	2.42	1.70-2.10	3.40	3.20-3.50	7.34	4.55-5.35

1 From World Agricultural Supply and Demand Estimates, ERS, FAS, USDA.

**MOST CROP AND LIVESTOCK PRICES DOWN IN OCTOBER**

The October winter wheat price of \$2.85 is down 16 cents from the previous month and 44 cents below the October 2003 price. Corn at \$1.83 is down 30 cents from both the previous month and previous year. The average soybean price of \$5.04 is down 70 cents from the September price of \$5.74 and \$1.62 below the previous October price. Alfalfa hay prices averaged \$122.00 per ton in October, up \$2.00 from September but \$11.00 less than was received in October of 2003. Other hay at \$63.00 per ton is up \$4.00 from September but \$2.00 below the previous year. The average potato price of \$9.15 per cwt. is up \$2.45 from September, and is \$2.85 higher than the October 2003 average price of \$6.30 per cwt. The October apple price of 31.5 cents per pound is down slightly from last month.

Ohio hog prices during October averaged \$49.60 per cwt., down \$4.00 per cwt. from September but \$9.80 per cwt. higher than at the same time last year. Sow prices at \$42.00 per cwt. are down 70 cents from September but are \$11.70 higher than they were in October of 2003. The October barrow and gilt price of \$50.00 per cwt. is down \$4.20 from the September price but \$9.90 higher than the previous October. Beef cattle prices averaged \$76.30 per cwt., down 90 cents per cwt. from September and \$6.40 per cwt. below the previous year. The steer and heifer price at \$80.00 per cwt. dropped 80 cents from September and is \$7.30 below the October 2003 average price. October cow prices at \$43.00 per cwt. are down \$2.00 from September but are

\$2.00 higher than at the same time last year. Calves, at \$106.00 per cwt. are down \$2.00 from the previous month but are \$18.30 per cwt. higher than they were a year ago. The October egg price at 30.7 cents per dozen is down 5.3 cents per dozen from September. The average milk price in October of \$16.30 per cwt., is up 30 cents per cwt. from September and 70 cents higher than the October 2003 price of \$15.60 per cwt.

The preliminary All Farm Products Index of Prices Received by Farmers in October, at 111, based on 1990-92=100, is 4 points (3.5 percent) below the September Index. Declines occurred in both the Crop Price Index and the Livestock Price Index. The Crop Index declined 6 points (5.4 percent) from September while the Livestock Index decreased 1 point (0.8 percent). Producers received higher commodity prices for lettuce, tomatoes, oranges, grapes, and cucumbers. Lower prices were received for corn, soybeans, hogs, broilers, and potatoes. The seasonal change in the mix of commodities farmers sell, based on the past 3-year average, also affects the overall index. Increased average marketings of soybeans, corn, and cotton offset decreased marketings of dairy, grapes, and sweet corn. The preliminary All Farm Products Index is down 2 points (1.8 percent) from October 2003. The Food Commodities Index declined 2 points (1.7 percent) from last month to 116. The index is unchanged from October 2003.

**AGRICULTURAL PRICES, OHIO AND UNITED STATES OCTOBER 2004 WITH COMPARISONS**

Commodity 1/	Unit	Ohio			U.S.
		Oct. 2003	Sep. 2004	Oct. 2004	Oct. 2004
Winter Wheat	Bu \$	3.29	3.01	2.85	3.29
Corn	Bu \$	2.13	2.13	1.83	1.89
Soybeans	Bu \$	6.66	5.74	5.04	5.07
Oats	Bu \$	1.69	1.57	5/	1.37
All hay, baled 2/	Ton \$	99.00	106.00	93.00	89.80
Alfalfa hay	Ton \$	133.00	120.00	122.00	97.80
Other hay	Ton \$	65.00	59.00	63.00	68.60
Potatoes	Cwt \$	6.30	6.70	9.15	4.74
Apples	Lb \$	0.310	0.320	0.315	0.271
Hogs	Cwt \$	39.80	53.60	49.60	51.40
Sows	Cwt \$	30.30	42.70	42.00	42.10
Barrows and gilts	Cwt \$	40.10	54.20	50.00	52.10
All beef	Cwt \$	82.70	77.20	76.30	86.40
Cows	Cwt \$	41.00	45.00	43.00	50.40
Steers and heifers	Cwt \$	87.30	80.80	80.00	91.10
Calves	Cwt \$	87.70	108.00	106.00	127.00
Sheep	Cwt \$	38.90	47.90	-	-
Lambs	Cwt \$	87.00	91.90	-	-
Milk sold to plants	Cwt \$	15.60	16.00	16.30	15.50
Milk for fluid use	Cwt \$	15.70	16.00	-	15.50
Milk of Mfg. grade	Cwt \$	14.30	14.80	-	14.40
Eggs 3/	Doz \$	0.703	0.360	0.307	0.303
<b>Feed Price Ratios</b>					
Hog-corn ratio 4/		18.7	25.2	27.1	27.2

1/ Monthly average except for current month. 2/ Mid-month price for all months. 3/ Fresh market (table) eggs. 4/ Bushels of corn equal in value to 100 pounds of hogs live weight. 5/ Insufficient sales to establish a price.

## Plant Population and Row Width

The National Agricultural Statistics Service is conducting objective yield surveys in 10 corn and 11 soybean producing states during 2004. The selected states account for about 75 percent of the U.S. production. Randomly selected plots are visited monthly from August through harvest to obtain specific counts and measurements. The counts made within each sample plot depend on the crop and the maturity of that crop. In all cases, plant counts are recorded along with other measurements

that provide information to forecast the number of ears, pods, and their weight. The counts are used with similar data from previous years to develop a projected biological yield. The average harvesting loss is subtracted to obtain a net yield. The plots are revisited each month until crop maturity when the fruit is harvested and weighed. After the farm operator has harvested the sample field, another plot is sampled to obtain current year harvesting loss.

### CORN FOR GRAIN: PLANT POPULATION PER ACRE, SELECTED STATES, 2000-2004 1/

State	2000	2001	2002	2003	2004
Number of Plants					
IL	25,800	26,650	26,350	27,050	27,700
IN	25,150	25,950	25,300	25,900	26,500
IA	26,300	26,450	26,700	27,250	27,850
MN	27,150	28,000	26,800	28,800	29,250
NE	23,400	22,750	23,350	23,700	24,050
<b>OH</b>	24,800	26,050	24,400	25,900	26,650
WI	26,200	27,000	26,650	27,100	27,550

1/ Based on stock counts in plots selected for objective yield samples.

### CORN FOR GRAIN: NUMBER OF EARS PER ACRE, SELECTED STATES, 2000-2004

State	2000	2001	2002	2003	2004
Number of Plants					
IL	25,450	25,550	25,000	26,650	27,400
IN	24,650	25,400	23,650	25,350	26,050
IA	25,650	25,250	25,800	26,600	27,500
MN	27,250	26,700	26,100	28,600	29,150
NE	22,700	22,050	21,200	22,600	24,050
<b>OH</b>	23,950	25,150	22,350	25,750	26,000
WI	25,550	26,100	25,250	26,250	26,800

### OHIO CORN ROW WIDTH 2000-2004

ONE CORN ROW WIDTH 2000-2004									
Year	Number of Samples		Corn row width (inches) 1/					Average Row Width	Plant Population
		20.5 or less	20.6-30.5	30.6-34.5	34.6-36.5	36.6-38.5	38.6-Greater		
Number		Percent of Sample						Inches	Number
2000	116	-	70.7	19.0	5.2	4.3	0.8	30.9	24,900
2001	116	-	74.1	20.7	-	2.6	2.6	30.7	26,050
2002	110	0.9	78.2	17.3	1.8	0.9	0.9	30.3	24,400
2003	101	-	54.4	38.6	2.0	5.0	-	30.9	25,900
2004	107	0.9	74.7	20.6	1.9	1.9	-	30.3	26,650

1/ Spacings based on row measurements in sample plots selected for objective yield terminations.

## OHIO SOYBEANS ROW WIDTH 2000-2004

OHIO SOYBEANS ROW WIDTH 2000-2004							
Year	Number of samples	Soybean row width groups (inches) 1/					Average width 2/ (inches)
		10.0 & less 2/	10.1-18.5	18.6-28.5	28.6-34.5	34.6 & greater	
Number		Percent of Sample					
2000	125	77.2	19.6	1.2	2.0	-	9.6
2001	131	67.8	21.8	3.1	6.9	0.4	11.3
2002	132	71.5	23.9	1.5	2.3	0.8	10.2
2003	132	69.6	27.0	0.4	3.0	-	10.1
2004	130	70.0	25.8	1.1	3.1	-	10.5

1/ Based on row measurements in sample plots selected for objective yield samples. 2/ Broadcast soybeans included as 10 inches and less but excluded in computation of average width.

SOYBEANS: PODS WITH BEANS PER 18 SQUARE FEET,  
SELECTED STATES, 2000-2004

State	2000	2001	2002	2003	2004
Number of Plants					
IL	2,021	1,932	1,802	1,634	1,943
IN	1,784	1,869	1,680	1,582	1,917
IA	1,660	1,796	1,867	1,647	1,737
MN	1,507	1,475	1,715	1,440	1,446
MO	1,793	1,921	1,705	1,523	1,998
NE	1,619	2,048	1,592	1,636	1,895
<b>OH</b>	1,697	1,785	1,492	1,752	1,840

Address Service Requested

OFFICIAL BUSINESS

Reynoldsburg, Ohio 43068-0686

P.O. Box 686

Ohio Agricultural Statistics Service

UNITED STATES DEPARTMENT OF AGRICULTURE

PERMIT NO. G-38

USDA

POSTAGE &amp; FEES PAID

PRST STD